



REDCap YES3 Exporter External Module

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3/26/2025



YALE UNIVERSITY
SCHOOL OF
MEDICINE

Learning Objectives

In today's session, you will learn:

- What is the Yale Study Support Suite (YES3)
- What is the YES3 Exporter
 - Enhancements
 - Features
- How does the YES3 Exporter work
 - What export layouts are available
- How you can get the YES3 Exporter

What is YES3?

- The Yale Study Support Suite (YES3) are software tools released to the REDCap consortium for worldwide use
- External Modules work within REDCap to expand its functionality
- Based on systems designed, deployed, and perfected over several decades to support research operations



Peter Charpentier presents YES3 at the International REDCap Conference 2022

What External Modules are part of the Suite?

- YES3 Exporter
- YES3 Dashboard
- YES3 BETR Data

Today's training will focus on the YES3 Exporter.

YES3 Exporter Main Monthly FollowUp new export + [icons]

FORMS AND FIELDS TO EXPORT (click to edit) display: Export Items Export Settings

1		field	all events	start_intdate - Interview Date	
2		field	all events	start_time - Start Time of Interview	
3		field	all events	fall_home - [fall_timephrase] have you fallen? Note: A fall is any unintentional change in position coming to rest on the ground, floor, o	
4		field	all events	fall_injure - When you fell, did you injure yourself seriously enough to need medical attention? If multiple times, think about the worse fa	
5		field	all events	fall_floor - When you fell, did you hit the floor?	
6		field	all events	fall_help - Did you need help from another person to get up from the floor?	
7		field	all events	fall_help_y - Who helped you get up from the floor? PROBE: Anyone else? Instructions: Record names, relationship, on Caregiver Key and [...]	
8		field	all events	fall_help_n - Were you unable to get up from the floor or changed how you got up off the floor because it was too difficult?	
9		field	all events	fall_afraid - [fall_timephrase] have you been afraid of falling?	

ADD SINGLE FORM OR FIELD: form all events start typing or spacebar fo add single item

BULK ADD: + Add one or more forms or fields to the export OR: add all forms and events

Timestamp: 2025-03-19 14:54:19
User: jrt52
Export LogId: 27290
Export UUID: 90853296-eddb-4657-8478-63ab2147f74b
9 item(s), approx 9 export column(s)

Export specification loaded with permissions: export=true, design=true.

Exporter External Module

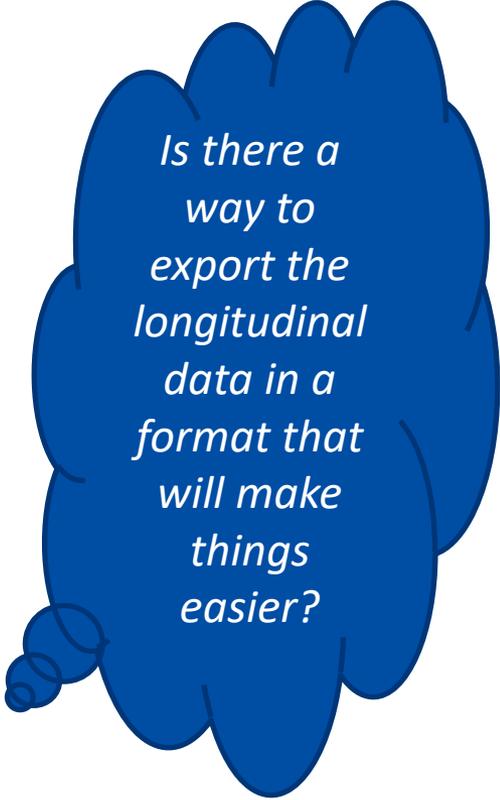
How many of you have used the built-in data export feature in REDCap?



The standard export option in REDCap has many useful features (*filters, de-identifying, exporting to statistical packages*).

REDCap Export Limitation

- Longitudinal projects are exported as one row per event resulting in multiple rows per record.
 - Those new or inexperienced with statistical software find it difficult to analyze longitudinal data.
 - Those familiar with statistical software often subset longitudinal data by events and combine them to one row per subject.



Is there a way to export the longitudinal data in a format that will make things easier?

What are the enhancements in the YES3 Exporter?

YES3 Exporter Enhancements & Features

- Flexible output spreadsheet layouts (*horizontal, vertical, repeating form*)
 - Longitudinal: One row per record all events!
 - Simplifies analysis with statistical software
- Improved performance
 - Faster: can handle large exports
- Enhanced data dictionary
 - Export-specific data dictionary: simplifies data sharing
 - Metadata and distributions: quick reporting and validation
- Can export directly to a host file system
- Light and dark themes



There is a way!

YES3 Exporter Enhancements & Features

- Security and Compliance
 - Conforms to REDCap's form-specific access and export rights
 - Audit trails and tracking
 - Detailed export history log
 - Automated email summary of export activities (optional)
- Export templates and specifications
 - Templates can be saved and re-used
 - Specifications can be rolled back and restored

Enhanced Feature: Export-Specific Data Dictionary

- YES3 Data Dictionary is specific to the data in your export
 - Includes metadata and data distribution summaries
 - Summary data includes count, range, #nonblank, and either a frequency table or mean & variance, as appropriate to field type

var_name	var_label	var_type	valueset	origin	redcap_field_name	redcap_form_name	redcap_event_id	redcap_event_name	non_missing_count	min_length	max_length	min_value	max_value	sum_of_values	sum_of_squared_values	mean	standard_deviation	formatted_min_value	formatted_max_value	formatted_mean	frequency_table
study_id	Study ID	TEXT		redcap	study_id	prescreen	0	baseline	0												
redcap_data_access_group	REDCap Data	INTEGER		other					0												
redcap_data_access_group	REDCap Data	TEXT		other					0												
base_isi_date	Date of Inson	DATE		redcap	isi_date	insomnia	9817	baseline	81	10	10	1.614E+09	1.647E+09	1.32E+11	2.16E+20	1.6E+09	8331665	2/23/2021	3/14/2022	9/29/2021	
base_isi1	1. Difficulty fi	NOMINAL	{{"value":	redcap	isi1	insomnia	9817	baseline	81	1	1										{{"value":0,"count":28},{"value":1,"count":18},{"value":2,"count":19},{"
base_isi2	2. Difficulty si	NOMINAL	{{"value":	redcap	isi2	insomnia	9817	baseline	81	1	1										{{"value":0,"count":27},{"value":1,"count":17},{"value":2,"count":20},{"
base_isi3	3. Problems v	NOMINAL	{{"value":	redcap	isi3	insomnia	9817	baseline	81	1	1										{{"value":0,"count":43},{"value":1,"count":13},{"value":2,"count":9},{"v
base_isi4	4. How SATIS	NOMINAL	{{"value":	redcap	isi4	insomnia	9817	baseline	81	1	1										{{"value":0,"count":11},{"value":1,"count":16},{"value":2,"count":21},{"
base_isi5	5. How NOTIC	NOMINAL	{{"value":	redcap	isi5	insomnia	9817	baseline	81	1	1										{{"value":0,"count":39},{"value":1,"count":18},{"value":2,"count":13},{"
base_isi6	6. How WORR	NOMINAL	{{"value":	redcap	isi6	insomnia	9817	baseline	81	1	1										{{"value":0,"count":33},{"value":1,"count":25},{"value":2,"count":10},{"
base_isi7	7. To what ex	NOMINAL	{{"value":	redcap	isi7	insomnia	9817	baseline	81	1	1										{{"value":0,"count":27},{"value":1,"count":19},{"value":2,"count":17},{"
base_isi_symptom_score	Insomnia sym	FLOAT		redcap	isi_symptom	insomnia	9817	baseline	81	1	2	0	12	310	1952	3.82716	3.093502				
base_isi_impact_score	Insomnia imp	FLOAT		redcap	isi_impact	insomnia	9817	baseline	81	1	2	0	16	468	4446	5.77778	4.666369				
base_isi_score	Total Score	FLOAT		redcap	isi_score	insomnia	9817	baseline	81	1	2	0	28	778	11684	9.60494	7.255479				
base_isi_score_category	Total Score C	FLOAT		redcap	isi_score_ca	insomnia	9817	baseline	81	1	1	1	4	153	365	1.88889	0.974679				
base_insomnia_severity	irComplete?	NOMINAL	{{"value":	redcap	insomnia_si	insomnia	9817	baseline	82	1	1										{{"value":0,"count":1},{"value":2,"count":81}}

For date/time field type, summaries of both date values and formatted values are included in the data dictionary

Enhanced Feature: YES3 Exporter Log

- Audit trails – logs all data exports activity
- Detailed information using the inspect  icon

YES3 Exporter Logs



test horizontal

all users

from mm / dd / yyyy

to mm / dd / yyyy

6 log records

	log id	timestamp	user	message	destination
	2035	2022-08-22 13:00:04		export files written	download
	2036	2022-08-22 13:00:04		export zip downloaded	download
	2038	2022-08-22 13:02:10		export files written	download
	2039	2022-08-22 13:02:10		export zip downloaded	download
	2041	2022-08-22 13:03:43		export files written	download
	2042	2022-08-22 13:03:43		export zip downloaded	download

YES3 Export Log Record

Log ID	2041
Project ID	588
Export Name	test horizontal
Export UUID	423f24aa-b76a-4601-8ebf-fb612743a324
Time Stamp	2022-08-22 13:03:43
User	[REDACTED]
Message	export files written
Destination	download
Log Entry Type	yes3-export-log
Export filename	/tmp/ys3a1pLLu
Data Dictionary filename	/tmp/ys3snhIAt
Bytes written	3673
Cells written	1054
Rows	82
Columns	16
Export specification	<input type="button" value="inspect"/>

YES3 Export Specification

log_id	2040
message	yes3-export-specification
timestamp	2022-08-22 13:03:35
removed	0
export_uuid	423f24aa-b76a-4601-8ebf-fb612743a324
export_name	test horizontal
export_username	[REDACTED]
export_layout	h
export_selection	2
export_criterion_field	enroll
export_criterion_event	9817
export_criterion_value	1
export_target	
export_max_label_length	
export_max_text_length	
export_inoffensive_text	0
export_remove_phi	0
export_remove_freetext	0
export_remove_targettext	0
export_remove_dates	0
export_shift_dates	0
export_hash_recordid	0
export_target_folder	/mnt/validation/clouds
export_items	form insomnia_severity_index all event

INSPECT ICON



Questions?

Next: How do I get it?

How do I install the YES3 Exporter so I can use it on my REDCap project?

Email your REDCap Administrator.

REDCap at Yale University

Send us an email at redcap@yale.edu.

We will enable the module in your project.

There are resources to help you.

How does it work?

YES3 Exporter Components

- Manage Configurations
- YES3 Exporter Main
 - View and download exports
 - Set up data export configurations
- YES3 Exporter Event Prefixes
 - Modify auto-generated prefixes to distinguish different events
- YES3 Exporter Logs
 - Audit trail of each export that has been created and downloaded



YES3 Exporter Components

Manage: Configuration of Module

- **Set Up: Step #1**
 - Ask an Administrator to enable the Exporter on your project
- **Set Up: Step #2**
 - Configure the Exporter
 - Must have project design and setup rights

External Modules **Manage** View Logs

- YES3 Exporter Main
- YES3 Exporter Event Prefixes
- YES3 Exporter Logs

YES3 Exporter - v1.0.9
Specialized data export module for datamart integrations. This release is compatible with REDCap v14. See the change log at <https://yale-redcap.github.io/yes3-exporter-documentation/v1.0.0/changelog.html> for important release notes.

[View Documentation](#)

Configure Disable

YES3 Exporter Components

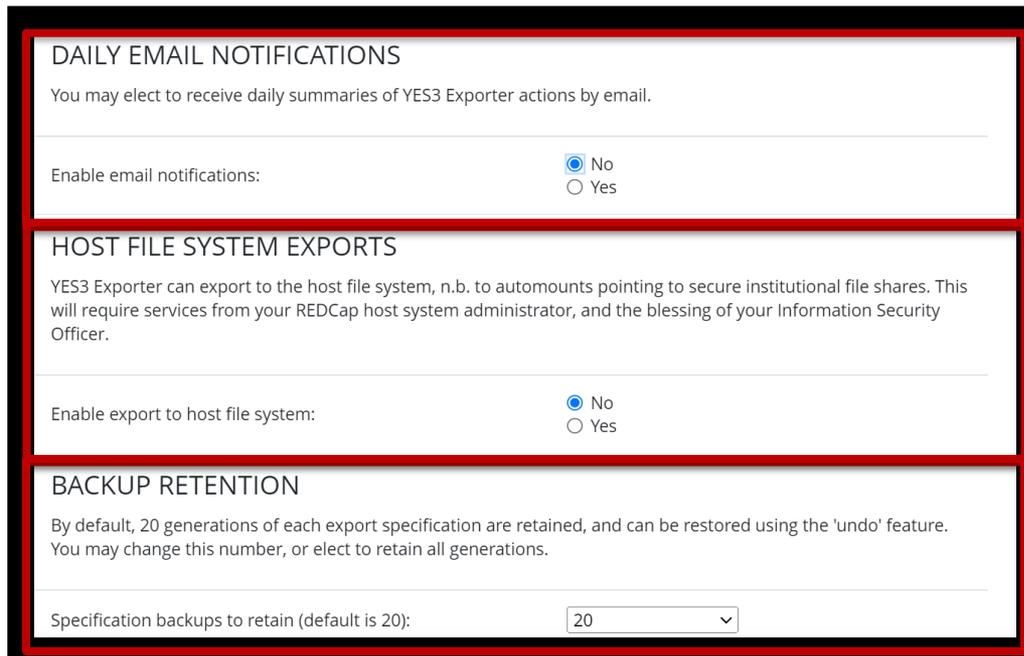
Manage: Export Configurations

- Manage configurations allows you to:
 - Enable daily email notifications
 - Permit exports to be saved to a host file system*
 - Set retention for backups



External Modules [Manage](#) [View Logs](#)

- YES3 Exporter Main
- YES3 Exporter Event Prefixes
- YES3 Exporter Logs



DAILY EMAIL NOTIFICATIONS
You may elect to receive daily summaries of YES3 Exporter actions by email.

Enable email notifications: No Yes

HOST FILE SYSTEM EXPORTS
YES3 Exporter can export to the host file system, n.b. to automounts pointing to secure institutional file shares. This will require services from your REDCap host system administrator, and the blessing of your Information Security Officer.

Enable export to host file system: No Yes

BACKUP RETENTION
By default, 20 generations of each export specification are retained, and can be restored using the 'undo' feature. You may change this number, or elect to retain all generations.

Specification backups to retain (default is 20):

* Additional approvals required

YES3 Exporter Components

Event Prefixes

- **Set up: Step #3,**
 - If you are using a horizontal layout, review and edit the auto-generated prefixes

YES3 Exporter Event Prefixes

Event prefixes

For horizontal export layouts the YES3 Exporter attaches event prefixes to column names. Keep the prefixes as short as you can manage. ?

Click [here](#) to restore your event prefixes to their default values.

Event	Prefix
screening_inhosp_arm_1	<input type="text" value="scrn"/>
enrollment_home_vi_arm_1	<input type="text" value="hm"/>
m1_fu_visit_arm_1	<input type="text" value="m1"/>
m2_fu_visit_arm_1	<input type="text" value="m2"/>
m3_fu_visit_arm_1	<input type="text" value="m3"/>

YES3 Exporter Components

Main: Create Exports

1. Add a new export, name it, and pick a layout format

New Export

Please provide a name and and layout for the export to be added.

Note that while you can change the name later, you cannot change the layout once the export has been created.

Export NAME

Export LAYOUT Horizontal (longitudinal projects: one row per record)
 Vertical (one row per record+event)
 Repeating Form (one row per record+event+instance)

Export Layout #1 - Horizontal

- Longitudinal projects: one row per record

Example

Monthly follow up form for m1, m2 and m3 events:

Instrument: Monthly Follow Up Status (monthly_follow_up_status)							
 176	[mthly_fu_date]	Date	text (date_mdy), Required				
							
 177	[mthly_fu_complete]	Monthly Follow Up Completed	radio, Required				
			<table border="1"> <tr> <td>1</td> <td>Yes</td> </tr> <tr> <td>0</td> <td>No</td> </tr> </table>	1	Yes	0	No
1	Yes						
0	No						

Event prefixes added to field names:

study_id	m1_mthly_fu_date	m1_mthly_fu_complete	m2_mthly_fu_date	m2_mthly_fu_complete	m3_mthly_fu_date	m3_mthly_fu_complete
17	5/14/2021	1	6/9/2021	1	7/7/2021	1
18	3/30/2021	1	4/22/2021	1	5/20/2021	0
21	3/31/2021	1	4/28/2021	1	5/26/2021	1
23	4/16/2021	1	5/14/2021	1	6/9/2021	1
27	5/17/2021	1	5/14/2021	0	7/13/2021	0
28	4/29/2021	1	5/27/2021	1		
35	6/15/2021	1	7/13/2021	1	8/10/2021	1

Export Layout #2 - Vertical

- One row per record + event
- The REDCap event id is included in the data export file

Example

1	study_id	redcap_event_id	redcap_event_name	mthly_fu_date	mthly_fu_complete
2	17	9821	m1_arm_1	5/14/2021	1
3	17	9825	m2_arm_1	6/9/2021	1
4	17	9829	m3_arm_1	7/7/2021	1
5	17	9833	m4_arm_1	8/4/2021	1
6	17	9837	m5_arm_1	9/1/2021	1
7	17	9841	m6_arm_1	9/29/2021	1
8	18	9821	m1_arm_1	3/30/2021	1
9	18	9825	m2_arm_1	4/22/2021	1
10	18	9829	m3_arm_1	5/20/2021	0
11	18	9833	m4_arm_1	6/17/2021	0
12	18	9837	m5_arm_1		
13	18	9841	m6_arm_1		
14	21	9821	m1_arm_1	3/31/2021	1
15	21	9825	m2_arm_1	4/28/2021	1
16	21	9829	m3_arm_1	5/26/2021	1
17	21	9833	m4_arm_1	6/23/2021	0
18	21	9837	m5_arm_1	7/21/2021	1
19	21	9841	m6_arm_1	10/1/2021	1

Export Layout #3 – Repeating Form

- One row per record + event + instance
- Only **one repeating form** can be defined in the export. You cannot export repeating events.
- **Example**

1	study_id	redcap_event_id	redcap_event_name	redcap_repeat_instance	call_date	wks_frm_mat_start
2	28	9817	baseline_arm_1	1	10/22/2021	31.6
3	35	9817	baseline_arm_1	1	4/7/2021	3.3
4	35	9817	baseline_arm_1	2	4/13/2021	4.1
5	35	9817	baseline_arm_1	3	4/14/2021	4.3
6	35	9817	baseline_arm_1	4	4/27/2021	6.1
7	35	9817	baseline_arm_1	5	4/27/2021	6.1
8	35	9817	baseline_arm_1	6	5/17/2021	9
9	36	9817	baseline_arm_1	1	4/7/2021	1.1
10	36	9817	baseline_arm_1	2	4/7/2021	1.1
11	36	9817	baseline_arm_1	3	4/13/2021	2
12	36	9817	baseline_arm_1	4	4/27/2021	4
13	36	9817	baseline_arm_1	5	5/17/2021	6.9
14	36	9817	baseline_arm_1	6	5/17/2021	6.9
15	36	9817	baseline_arm_1	7	5/19/2021	7.1
16	36	9817	baseline_arm_1	8	5/23/2021	7.7

Special Note - Checkbox Field Type

- Data from checkbox fields are exported with the checked-off options combined in a single column
- This prevents innumerable columns in horizontal exports

Example:

study_id	base_date Lec	base Lec1
41	4/26/2021	2,3
46	4/30/2021	1,2,3
61	6/10/2021	1,2,3
70	6/22/2021	
80	7/7/2021	1,2,3
88	10/5/2021	
91	10/4/2021	
96	7/12/2021	
107	7/19/2021	1,3
109	7/30/2021	1,2,3

[lec1]

checkbox, Required		
1	lec1__1	Happened to me
2	lec1__2	Witnessed it
3	lec1__3	Learned about it
4	lec1__4	Part of my job
5	lec1__5	Not sure
6	lec1__6	Doesn't apply

YES3 Exporter Main

Create an Export

2. Set your export settings

EXPORT SETTINGS display: Export Items Export Settings

Export name:

Export layout: Horizontal

Options for selecting records to export ⓘ

Include: All records Selected records

Options for data compliance (de-identified and coded datasets)

Remove tagged identifiers Remove all freetext fields Coded (shifted) dates
 Remove date/time fields Remove note/paragraph fields Coded (hashed) record id values

Options for conditioning exported values

Sanitize exported text values by removing unprintable characters and HTML tags.

Maximum field label length:

Maximum text value length:

YES3 Exporter Main

Create an Export

3. Select your export items

YES3 Exporter Main Monthly FollowUp Status new export + [document] [refresh] [download] [share] [help] [user] [moon] [YES³]

FORMS AND FIELDS TO EXPORT (click [🔗](#) to edit) display: Export Items Export Settings

ADD SINGLE FORM OR FIELD: form all events *start typing or spacebar fo* add single item

BULK ADD: + Add one or more forms or fields to the export OR: add all forms and events

Instructions and Resources: Help Menu

- Click **?** to bring up the Help Menu

YES3 Exporter Main new export + 📄 ↺ 📄 📄 ? 👤 🌙 👥³ YES

EXPORT SETTINGS display: Export Items Export Settings

Export name:

Export layout: Horizontal

Options for selecting records to export ?

Include: All records Selected records

Options for data compliance (de-identified and coded datasets)

Remove tagged identifiers Remove all freetext fields Coded (shifted) dates
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Options for conditioning exported values

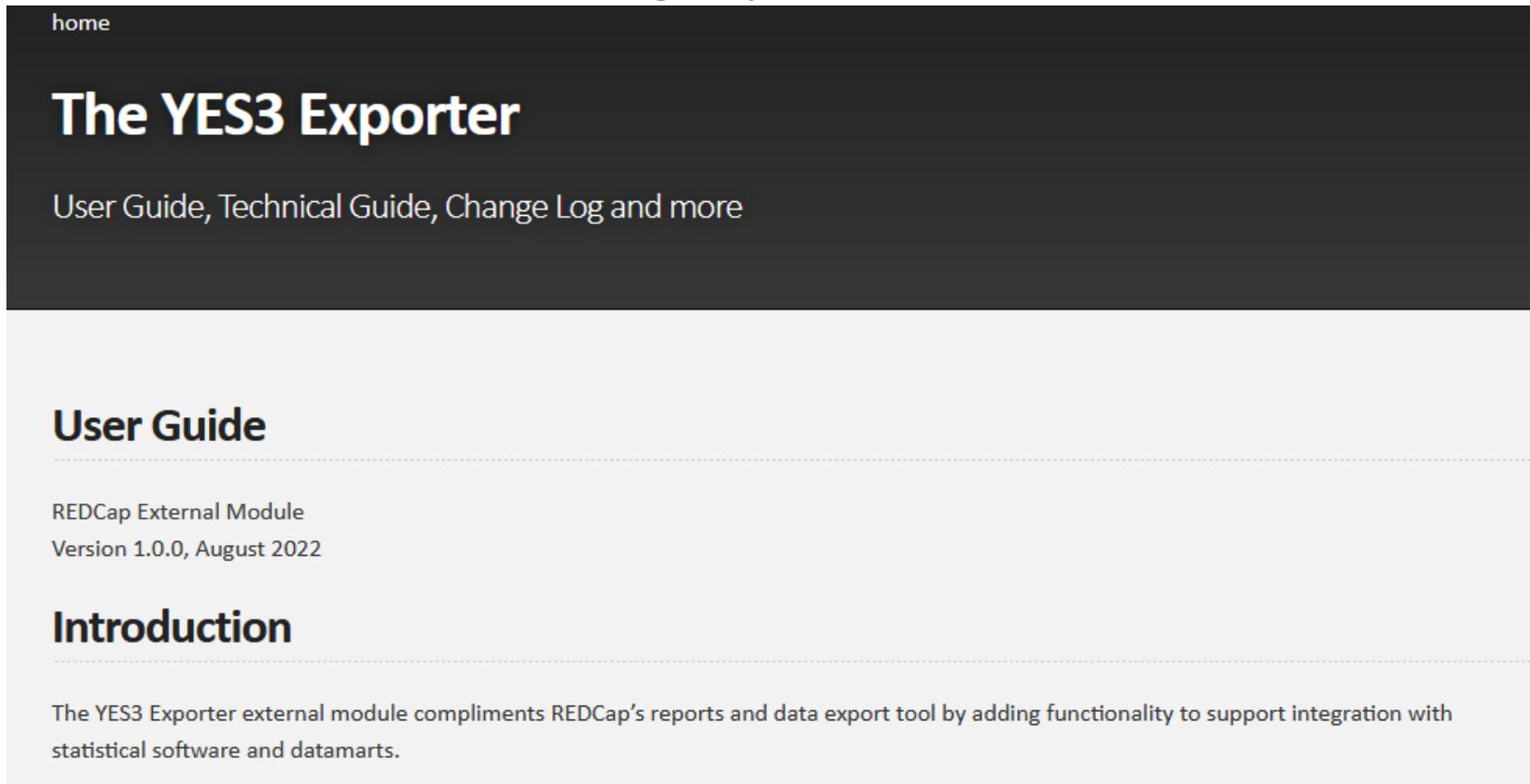
Sanitize exported text values by removing unprintable characters and HTML tags.

Maximum field label length:

Maximum text value length:

Instructions and Resources: Exporter User Guide

- Purpose: Step-by-step instructions including a How-To Guide and Quick Start Tutorial
- Audience: for users creating exports



The screenshot shows a dark header with the word "home" in the top left corner. Below it, the title "The YES3 Exporter" is displayed in large white font. Underneath the title, the text "User Guide, Technical Guide, Change Log and more" is visible. The main content area is light gray and features a section titled "User Guide" with a dashed line below it. Below this section, the text "REDCap External Module" and "Version 1.0.0, August 2022" is shown. Another section titled "Introduction" is also present with a dashed line below it. At the bottom of the introduction section, the text reads: "The YES3 Exporter external module compliments REDCap's reports and data export tool by adding functionality to support integration with statistical software and datamarts."

Instructions and Resources: Technical Guide

- Purpose: Explains how the data is processed
- Audience: People writing programs to process files (*statisticians, data managers, programmers*)

The YES3 Exporter

User Guide, Technical Guide, Change Log and more

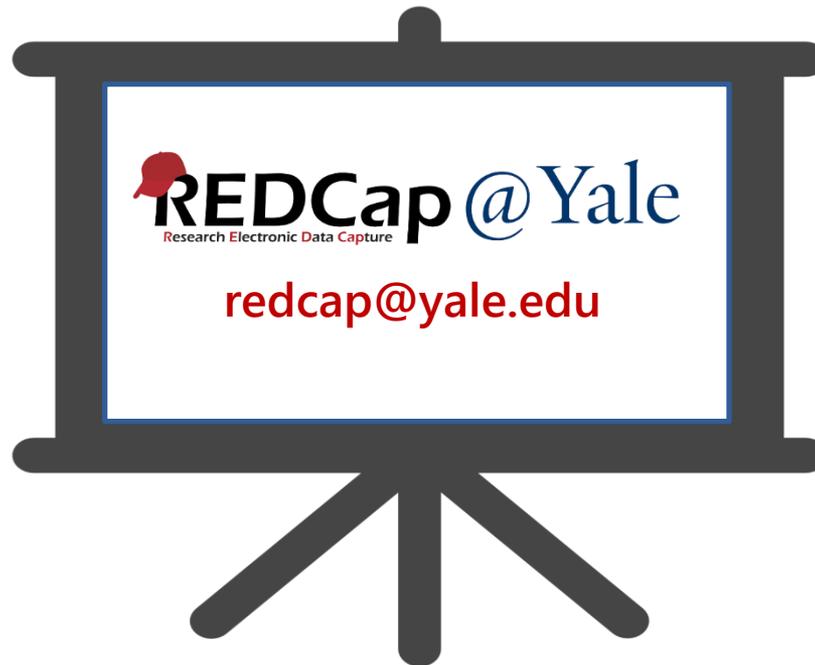
Technical Guide

YES3 Exporter Version 1.0.0, August 2022

Intended Audience

This guide is intended for individuals who will be writing programs to process files generated by the YES3 Exporter. These include data managers and statistical programmers writing programs to import YES3 Exporter data into statistical systems such as SAS and R, as well as application developers seeking to integrate the YES3 Exporter into datamart generation and validation workflows.

Thank You!



The YES3 Exporter was funded by:
Yale Claude D. Pepper Older Americans Independence Center (OAIC) grant
Development Project Award for the Operations Core, 3P30AG021342.

Extra Slides

What is YES3?

- Together, YES3 External Modules (EMs) can be used to help researchers:

- Share information and reports
- Improve data quality
- Build datamarts
- Coordinate workflow and assignments
- Automate tasks
- Track milestones
- Monitor study progress

GEARSSV2 YES3 Dashboard palooka | all data access groups

all records | n = 14

record #	open	mm	last	first	ED D/C	Screen	BSL	4day	30day	90day	Discontinued
TS-000018	open	MR1274292 k		Susan	04/07/2022	1	Complete	Complete	Complete	7/31/06/2022	form
TS-000026	open	atxwtdcc	form								form
TS-000034	open	4444444	Winners								form
TS-000042	open	MR123456	form								form
TS-000059	open	add5dad	form								form
TS-000067	open	dfladfl	form								form
TS-000075	open	dfladflad	form								form
TS-000083	open	form	form								form
TS-000091	open	MRxxxxx	Smith								form
TS-000109	open	MRxxxxxx	Brown								form
TS-000117	open	MR1201909	Gall								form
TS-000125	open	000000	form								form
TS-000133	open	form	form								form
TS-000141	open	form	form								form

YES3 INSPECTOR TS-000067

Recruit | Screen

Screening date: 04/08/2022

Screen Eligible: 1

Recruit | Consent Form

Person providing consent: Self (participant)

Date of consent: 04/08/2022

Recruit | Post Screen

ED discharge date: 04/08/2022

ED Disposition: Discharged

Baseline | Baseline Interview Call Log #1

Interview contact attempt date and time: 04/08/2022 16:15

Outcome of call: Unable to reach

Baseline | Fall

FALL DOMAIN STATUS: Yes

1. Did you (participant) come to the ED today because of a fall? A fall is defined as an unexpected event in which a person comes to the ground, floor, or lower level.

DCareSite:Home TST

SITE ASSIGNMENT

Help! Peter! You are currently signed in as...
change and assigned to site TST. If you like you may change your site assignment to TST, the testing site. Use the drop-down menu below to change your site.

TST

Other Dashboards

- Recruitment Dashboard
- Assessments Dashboard
- HDCC Dashboard
- CRCC Dashboard

STUDY DOCUMENTS

Data Collection Forms

Data Collection Forms

- Screening Form
- Baseline Patient Interview
- Baseline Caregiver
- Baseline Visit Check Off List
- Baseline Form Packet, V.1.0
- Baseline_Self_Admin PDF Combined
- Caregiver Contact Information
- Caregiver Rating of Dementia Care Quality, 06.06.19, V.1.0
- Caregiver Satisfaction with Dementia Care, 05-05-19, V.1.0
- Caregiver Self-Efficacy, V.1.0
- Follow Up Telephone Interview
- Follow up 12 Month Self-Admin PDF Combined Files
- Follow up 18Month Self-Admin PDF Combined Files
- Follow up 3 Month Self-Admin PDF Combined Files
- Follow up 6 Month Self-Admin PDF Combined Files
- Functional Assessments Questionnaire, V.1.0
- Katz Index of Independence in Activities of Daily Living, V.1.0
- MCS, V.1.0
- MCCA Instructions
- MCCA Telephone
- Mortality Questionnaire
- NPI-Q Severity & Distress, V.1.0
- PHQ-9, V.1.1
- Positive Aspects of Family Caregiving, V.1.0
- QOL, V.1.0
- Table of Contents
- Verification of Eligibility

STUDY PROGRESS | PC20B Progress Report | NOW AVAILABLE! Progress Report Card

TST	All Sites	
DCARE enrollment day number	1095 (112% of period)	1095 (112% of period)
Enrollment progress	116 / 538 (21.6%)	2376 / 2350 (101.2%)
PCF referrals	583	9770
First PCF referral	09-21-2018	01-24-2019
Most recent PCF referral	08-23-2021	04-21-2022
Recruitment letters mailed	240	2444
First mailing	09-07-2018	06-25-2019
Most recent mailing	05-10-2021	01-18-2022
Out-of-pocket insurance	91 (16% of mailed)	1 (0% of mailed)
Pre-screen clinic visits	70	540
First clinic visit	09-11-2018	03-02-2018
Most recent clinic visit	06-19-2019	01-19-2022
Total pre-screen contacts	366	18272
Pre-screen optouts	91 (24% of prescreens)	134 (1% of prescreens)
Pre-screen ineligible	1 (0% of prescreens)	1970 (11% of prescreens)
Eligible for pre-baseline screen	274 (20% of prescreens)	7689 (100% of prescreens)
Telephone screens	52	490
First telephone screen	07-22-2019	03-11-2019
Most recent telephone screen	09-20-2021	03-17-2022
Clinic screens	189	130
First clinic screen	03-24-2019	06-25-2019
Most recent clinic screen	01-18-2021	10-19-2020
Total screens	247	4220
Eligible for baseline	223 (90% of screens)	2947 (70% of screens)
Consented to baseline	205 (83% of screens)	2834 (67% of screens)
Baseline interviews attempted	135	2817
First baseline interview	06-18-2019	06-28-2019
Most recent baseline interview	08-23-2021	01-31-2022
Consented to study participation	134 (99% of attempted)	2776 (70% of attempted)
Enrolled participants	116 (87% of interviewed)	2376 (100% of interviewed)

Dashboard External Module

Web Portal External Module

When should I use the YES3 Exporter?

Project / Function	REDCap Export	YES3 Exporter
Classic Project	✓	✓
Longitudinal Project – Vertical export format	✓	✓
Longitudinal Project – Horizontal export format		✓
Single repeating form	✓	✓
Multiple repeating forms	✓	
Custom data dictionary with data distributions (Classic or longitudinal)		✓
Filter, sort, delete exports	✓	